

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	10/5929999	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:17
S2	1	10/592999	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:17
S3	0	"near-Gaussian shape of spatial current density"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:21
S4	1	"near-Gaussian shape" near3 current	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:22
S5	8	"near-gaussian shape"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:23
S6	1847	"gaussian shape"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:25
S7	2	("near-gaussian" or "near gaussian") same vcsel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 18:00

S8	2	("near-gaussian" or "near gaussian") same laser same current and (vcsl or vertical adj2 cavity adj2 laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 18:01
S9	55	gaussian same laser same current and (vcsl or vertical adj2 cavity adj2 laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 18:02
S10	17	gaussian with current same laser and (vcsl or vertical adj2 cavity adj2 laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 18:03
S11	344	current adj2 aperture and (vcsl or vertical adj2 cavity adj2 laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 18:20
S12	13	((("6021146") or ("6026111") or ("6515305") or ("5729566") or ("5719891") or ("6535537")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 18:21
S13	67	("5719891").URPN.	USPAT	OR	OFF	2008/06/09 18:23
S14	3	("20040099857"   "5493577"   "5719891").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 18:37
S15	3	("5245622"   "5753941"   "5838715").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 18:38
S16	11	("5115441"   "5258316"   "5258990"   "5262360"   "5327448"   "5331654"   "5331658"   "5337327"   "5343487"   "5353295"   "5359618").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 18:41
S17	152	("5493577").URPN.	USPAT	OR	OFF	2008/06/09 18:41
S18	4	("20020134987"   "20020137245"   "5493577"   "5696389").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:08

S19	11	("5115441"   "5258316"   "5258990"   "5262360"   "5327448"   "5331654"   "5331658"   "5337327"   "5343487"   "5353295"   "5359618").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:09
S20	4	("5331654"   "5493577"   "5879961"   "5881085").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:14
S21	9	("4902644"   "5256596"   "5317587"   "5328854"   "5343487"   "5412680"   "5457328"   "5478774"   "5493577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:15
S22	4	("5034092"   "5493577"   "5633527"   "5881085").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:19
S23	9	("4902644"   "5256596"   "5317587"   "5328854"   "5343487"   "5412680"   "5457328"   "5478774"   "5493577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:38
S24	24	("5245622"   "5256596"   "5258316"   "5446752"   "5493577"   "5557627"   "5719891"   "5729566"   "5812577"   "5822356"   "5881085"   "5893722"   "5903590"   "6064683"   "6144682"   "6185241"   "6208007"   "6534331"   "6542527"   "6618414"   "6680963"   "6751245"   "6882673"   "6904072").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:41
S25	6	("20010050934"   "5719891"   "5985686"   "6117699"   "6174749"   "6795457").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:44
S26	23	(US-20070242716-\$ or US-20020134987-\$ or US-20010050934-\$).did. or (US-7332744-\$ or US-5493577-\$ or US-6678307-\$ or US-6658040-\$ or US-6636542-\$ or US-5881085-\$ or US-5879961-\$ or US-6570905-\$ or US-6535541-\$ or US-6493371-\$ or US-6487231-\$ or US-6487230-\$ or US-6449300-\$ or US-6317446-\$ or US-6014400-\$ or US-5903588-\$ or US-	US-PGPUB; USPAT	OR	OFF	2008/06/10 13:37

		7177339-\$ or US-6882673-\$ or US-6993055-\$ or US-6583033-\$). did.				
S27	1	S26 and gaussian	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 13:37
S28	21	("near-gaussian" or "near gaussian") and vcsel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 13:46
S29	4	((("20020154671") or ("20030218752")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 14:34
S30	4	("5493577"   "5500868"   "5633527"   "5881085").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 16:49
S31	666	vcsel and (aperture near5 (different or smaller or larger))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 16:50
S32	117	vcsel and (aperture near5 (different or smaller or larger)) same oxid\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 16:51
S33	3	("5493577"   "5719891"   "5881085").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 16:52
S34	24	("5245622"   "5256596"   "5258316"   "5446752"   "5493577"   "5557627"   "5719891"   "5729566"   "5812577"   "5822356"   "5881085"   "5893722"   "5903590"   "6064683"   "6144682"   "6185241"   "6208007"   "6534331"   "6542527"   "6618414"   "6680963"   "6751245"   "6882673"   "6904072").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 17:02
S35	1	"5340998".PN.	USPAT; USOCR	OR	OFF	2008/06/10 17:08
S36	63	vcsel and (current adj2 aperture near5 (different or smaller or larger))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:09

S37	9	vcSEL and current adj2 aperture same size same distance	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:47
S38	6	("20010050934"   "5719891"   "5985686"   "6117699"   "6174749"   "6795457").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 17:51
S39	2	vcSEL and oxide adj2 aperture same size same distance	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:51
S40	7	("2001/0043629").URPN.	USPAT	OR	OFF	2008/06/10 17:53
S41	206	(vcSEL or vertical adj2 emitting adj2 laser) and (dbr or mirror or bragg adj2 reflector) with oxid\$5 with aperture	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 18:06
S42	1	"6636542".pn. and 21a	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 18:18
S43	1	"5633527".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 19:35
S44	13	("3763372"   "3981023"   "4025157"   "4108622"   "4339689"   "4956000"   "5073041"   "5126875"   "5181220"   "5223049"   "5262360"   "5359618"   "5493577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 19:36
S45	83	("5633527").URPN.	USPAT	OR	OFF	2008/06/10 19:36
S46	20	vcSEL and (double or two) adj2 aperture	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 20:29
S47	1	vcSEL and dual adj2 aperture	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 20:31
S48	5	("5262360"   "5493577"   "5896408"   "6014395"   "6208681").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 20:41

S49	0	vertical adj2 emitting adj2 laser and (double or two) adj2 aperture	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 20:43
S50	0	vertical adj2 emitting adj2 laser and (double or two) adj2 aperture	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 20:43
S51	235	(372/50.124).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 20:44
S52	0	S51 and (double or two) adj2 (aperture or current adj2 inection or current adj path)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 20:44
S53	2	"20030007528"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 20:48
S54	4	("4872744"   "5637883"   "6198853"   "6271943").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 20:56
S55	2	("5764671"   "5809051").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 20:59
S56	194	current adj2 layer same vcsel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 21:01
S57	170	S56 not S41	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 21:01
S58	1	"5034958".PN.	USPAT; USOCR	OR	OFF	2008/06/11 13:55

SS9	180	"3560275"	"3878105"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 14:37
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		"4033796"	"4110661"				
		"4249967"	"4309670"				
		"4347611"	"4376946"				
		"4573163"	"4633476"				
		"4636821"	"4675875"				
		"4694459"	"4730326"				
		"4740481"	"4745462"				
		"4757509"	"4764936"				
		"4766470"	"4772082"				
		"4819048"	"4847844"				
		"4852110"	"4853936"				
		"4856014"	"4856017"				
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		"5438586"	"5442203"				

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S61	2	("5764671"   "5809051"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 14:42
S62	60	("4943970").URPN.	USPAT	OR	OFF	2008/06/11 15:28
S63	11	"5115442"   "5179567"   "5245622"   "5258990"   "5262360"   "5373522"   "5416044"   "5493577"   "5550081"   "5719891"   "5729566").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 16:04
S64	37	("5903588").URPN.	USPAT	OR	OFF	2008/06/11 16:05
S65	2	"20030007528"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 17:07
S66	1	p adj3 aperture same n adj3 aperture and vcsel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 17:32
S67	321	(vertical adj2 emitting adj2 laser or vcsel) and (current adj2 (layer or region)) with (dbr or reflector or mirror)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 17:38
S68	311	S67 not S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 17:38

S69	183	(vertical adj2 emitting adj2 laser or vcsel) and (current adj2 (layer or region)) near5 (dbr or reflector or mirror)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 18:46
S70	609	(vertical adj2 emitting adj2 laser or vcsel) and oxid\$5 near6 (dbr or reflector or mirror)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 18:46
S71	168	(vertical adj2 emitting adj2 laser or vcsel) and current with oxid\$5 near6 (dbr or reflector or mirror)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 18:48
S72	96	S71 not S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 19:02
S73	1	"7085301".pn. and oxid\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/11 19:10
S74	1	"5491710".pn. and "28"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/12 11:59
S76	1	"7085301".pn. and pairs	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/12 12:18
S77	1	"7085301".pn. and "20" and "18"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/12 12:19

S78	0	"7085301".pn. and ".mu. m"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/12 12:54
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6/ 12/ 08 2:16:13 PM

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